



The

GARzette

The Official Newsletter of the Gwinnett Amateur Radio Society
June 2016 <http://www.gars.org/> Volume 25, Issue 6



Centennial of the National Park Service



Chattahoochee River National Recreation Area

Message from the President

If you are reading this note you are reading one of the finest club newsletters around. It has been edited by our own Ray Bailey, N4GYN for many years now and we cannot express enough appreciation for his work. At the risk of repeating myself... It's time we gave Ray a much deserved break and as president of GARS I would like to put out a plea for new volunteers to step up and work with Ray to take over this responsibility. You don't have to have previous publishing experience, although that would be helpful. And you don't have to do it alone. If you notice, there are regular contributors to the newsletter and some of the pages are informative in nature and only require some basic research to update monthly. Ray is willing and anxious to provide training and help in getting started. And don't let the size of the newsletter scare you away. It doesn't have to be 20 pages every month! Start at your own pace but please think about volunteering. We would not want to see the Garzette fade away. GARS is a busy club and there will always be information that needs reporting.

I can't believe how fast this year is progressing. We had a very successful National Parks on the Air (NPOTA) activation and many are looking forward to doing it again later this year. (Maybe sometime closer to fall when the temps are dropping?) As usual, the Dacula Memorial Day Parade went without a hitch. We had lots of volunteers which made the job much easier. And thanks to all that came out to support the GARS booth at the Atlanta Ham Fest. The aroma of



"Our next meeting will be the annual 'Ice Cream Social' held at Harbins Park, our field day location."

Popcorn filled the air and many deals came and went from the bone yard.

Now for Field Day preparation. Our next meeting will be the annual "Ice Cream Social" held at Harbins Park, our field day location. We will have our regular business meeting and a brief discussion on Field Day operations but mostly it's about having fun, eating ice cream, and Socializing! Come early and bring a

box lunch if you like.

Thank you all for your support of GARS and our many activities. Please remember to volunteer. The more that participate the easier and more fun each event is.

See you down the bands... and at the next GARS event!

Thanks and 73's,

Rick Cobb, N4XYX

"It is not the class of license the Amateur holds, but the class of the Amateur that holds the license."

[Author Unknown]



GARS June Meeting

ICE CREAM SOCIAL In The Park

Tuesday, June 14, 2016

7:00 pm

**Harbins Park
2995 Luke Edwards Road
Dacula, GA 30019**

Bring a cushion or your favorite folding chair.

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GARS Communications

2 Meter Repeater
147.075(+) MHz
82.5 PL Tone

APRS
144.390 -- 1200 Baud
W4GR

D-Star
WD4STR
145.060 + (1.4 MHz)
440.550 + (5 MHz)

2 Meter Repeater
147.255(+) MHz
107.2 PL Tone

6 Meter Repeater
53.110 (-1 MHz)
No PL tone

70 Cm Repeaters
444.525(+) MHz
82.5 PL Tone
442.100(+)
100 PL Tone

**Don't forget
to support our
advertisers at the
back of the
GARzette.**

The *GARzette* is the official monthly newsletter of the Gwinnett Amateur Radio Society, serving its members and other persons interested in the advancement of the Amateur Radio art.

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If possible, bring your articles to the monthly meeting in Microsoft Word or rich text (.rtf) or text or HTML format or by e-mail to n4gyn@arrl.net. Artwork can be accepted in most any graphics format and can be submitted via e-mail to the same address. Alternate means of submittal can be arranged when necessary.

In keeping with the Amateur Radio spirit, permission is hereby granted for the reproduction of The *GARzette* articles by other Amateur Radio club newsletters provided that proper credit is given to the individual author and *The GARzette*.

The *GARzette* is published each month with the assistance of Norm Schklar, WA4ZXV who prints copies for distribution at meetings, etc. and Dave Bruse, W4DTR, who distributes the news letter electronically.

Deadline for submissions is the 28th of each month for inclusion in the following month's issue.

For additional information view our Website at: <http://www.gars.org>

Newsletter Editor: Ray Bailey—N4GYN
770-689-6620 or editor@gars.org



Member QRZ Pages

For a few months we will be featuring the QRZ page of various members of GARS.

This month we are featuring the QRZ page of :

KD4YDD - Scott Brown

When you click on the link below you will find this picture of him.

<http://qrz.com/lookup/kd4ydd>

Read his notes and get to know him better.
You'll be glad you did.



Here is an excerpt from his page:

"I enjoy contesting, chasing rare DX stations and IOTA's as much as possible. I enjoy building antennas. The most recent is a 900mhz groundplane. 10m seems to be the band I enjoy quite a bit, but you can find me all over the bands. I also enjoy working 6m, and QRP on home brewed antennas! Additionally I enjoy working various digital modes, PSK, RTTY, JT65, SSTV, etc."

Watch for another featured GARS member QRZ page in next month's GARzette!

News, Press Releases, & General Interest



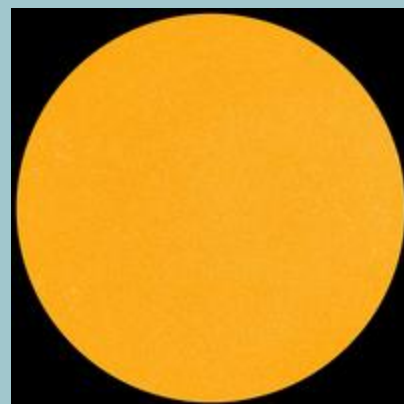
Space Weather News for June 4, 2016

<http://spaceweather.com>

<https://www.facebook.com/spaceweatherdotcom>

WHERE DID ALL THE SUNSPOTS GO? Something interesting is happening on the sun. On Friday, June 3rd, the sunspot number dropped to 0, and the solar disk is still blank this weekend. This is a sign that the sun is slowly shifting into a new phase of the solar cycle. Learn more about the transformation on Spaceweather.com.

GEOMAGNETIC STORM WATCH: NOAA forecasters say there is a 70% chance of polar geomagnetic storms on June 4th and 5th as Earth enters a stream of fast-moving solar wind. This is the same stream, by the way, that triggered the fabulous Mother's Day Storm last month, when auroras were photographed in the USA as far south as Kansas and Arkansas. Visit Spaceweather.com for more information and updates.



For the first time in almost two years, the sun is blank--no sunspots! Credit: SDO/HMI

GARS Happenings

Dacula Memorial Day Parade

According to an article in today's [5/28/16] Gwinnett Daily post there were 157 entries, 130 vehicles, and 2,071 people in the parade and all were handled with great skill thanks to Earl [Whatley—AF4FG] and all who assisted him. *Bill Cherepy*, WB4WTN

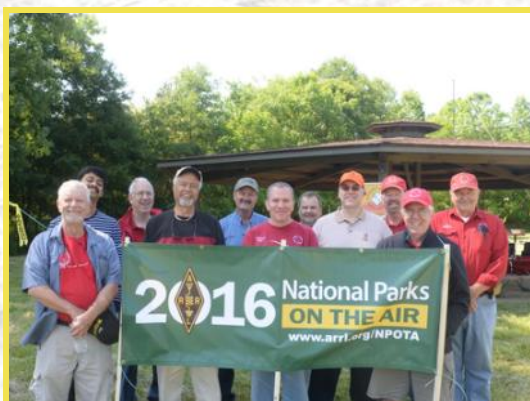


More GARS Happenings



**GARS doing our thing at the Atlanta Hamfest, 2016
A BIG THANKS to everyone who could participate.**

GARS at Chattahoochee River National Recreation Area for NPOTA



Before →



After →



We are planning on activating the park again on Saturday, July 16.
\$3 parking fee per car on site—EXACT CASH ONLY.
Bill - WB2RIS

National Parks On The Air

NPOTA Centennial of the National Park Service

by *Chuck McCord*, KK4TKJ

This year is the centennial of the National Park Service. In conjunction with the NPS, the ARRL has established the National Parks on the Air (NPOTA) event to help celebrate the Centennial. NPOTA is a year-long event that encourages Ham operators to "activate" a park by setting up a station and transmitting from the park location. Also, chasers are given points for contacting activated parks.

I started the year with a few contacts with parks and quickly became hooked on chasing parks. There are 485 units managed by the National Park Service that qualify for activation. Any day there are a number of Parks being activated and the activators are using stations from QRP to 100 watts. Antennae are generally mobile or field expedient types. This makes contacting many of the activators a bit of a challenge.

As my work takes me through Little River Canyon National Preserve (PV-12) on a monthly basis, I thought it might be fun to attempt an activation there. In March, on my return from a business trip, I stopped at the ranger station and checked in with the front desk, letting them know of my intentions. I stamped my daytimer with the park stamp and was told by the employee that Little River Canyon was also a Trail of Tears (TR-12) location. I could activate a two-fer!

I drove to the parking lot next to Little River Falls. As I have an FT-857 with the ATAS-120 screwdriver antenna in the car, activation consisted of simply firing up the radio. I found a clear 40M frequency and posted the frequency to the ARRL-NPOTA Facebook site and called my wife, Donna, KM4FMW, who spotted me on the cluster and posted to the GARS reflector. I immediately started getting contacts. I logged on paper, and within ten minutes, I had the requisite 10 contacts for an activation. My fifth contact was Kay Craigie, N3KN, another avid chaser. I continued for another 20 minutes and 40M started to slow, so I switched to 20M. Again, I posted on facebook. Looking for a clear frequency, I found another park and made a park to park contact. My second contact offered to spot me, and I was off again, this time with numerous stations calling after every QRZ. I operated for about 50 minutes on 20M and finally went QRT leaving a

good pileup. I wanted to get back through Atlanta before rush hour. I had made 57 QSOs, 24 on 40M and 33 on 20M.

Logging is all through LoTW. You create a new location that is park specific using TQSL and sign and upload all QSOs to that location. Upon uploading my log, I immediately had about two thirds of my QSOs confirmed. Chasers like instant gratification I found, and it was gratifying to me, too.

My second activation came on April 12. My wife and I drove over to Kennesaw Mountain National Battlefield Park (BP-01) to scope out a planned activation. Checking in with the front desk, we met Dan Beard, WA4IFR, a park employee and fellow Ham. He suggested using the top of the mountain, which is open only during the week. Checking out the mountain top, the view was every bit as good as Stone Mountain and there was a nice little parking lot with a great view of Stone Mountain and downtown Atlanta. Even though we planned to return, I could not resist activating then.

I grabbed a pad of paper and began calling "CQ CQ, National Parks on the Air, Kennesaw Mountain National Battlefield Park" on 14.308. After the first three contacts, I had a pileup again. It is incredible how popular the NPOTA event has become. Anyway, twenty minutes later I had 28 contacts and things started to slow, so I called it quits to get back across town before traffic got bad.

We planned, and did return to Kennesaw for another activation with Ruth, KM4LAO, but that is another story.



More NPOTA

NPOTA - An Inspiring Adventure

by *Ruth Willet*, KM4LAO

CQ National Parks on the Air, CQ National Parks on the Air... Those simple words are some of my favorite words to hear or speak. National Parks on the Air (NPOTA), the yearlong celebration of the Centennial of the National Park Service, has been the perfect way for me to get on the air with HF. Visiting National Parks has been one of my hobbies for several years now, so being able to visit them over the radio has deepened my appreciation for these rich national treasures. I was surprised to discover, due to my participation in NPOTA, exactly how many units of the National Park Service there are, such as national battlefields, historic sites, trails, memorials, monuments, and seashores.

My primary occupation with National Parks on the Air has been chasing parks. I passed the General in January, my first NPOTA QSO was on February 1st, and since then my park chasing has taken off! NPOTA is such an easy event to make a QSO in; virtually every day I can hear someone activating a park unit. For me as a relatively new HF operator, it is wonderful to learn from the activators how they handle pileups and it is such a thrill when I finally make contact! Since that first QSO I have made over 110 NPOTA QSO's on both SSB and CW. I simply love the flexibility of being able to work parks on either mode! I have so many wonderful memories already, including my first SSB and CW NP QSO's, working a NP in a new state and getting ever closer to SSB Worked all States, making new friends daily through a love of national parks, passing 100 park units worked, and the personal thrill of working an activator 6 different times in 5 days at 5 different parks on both SSB and CW! I have worked a number of units that I have visited in person, including Yosem-

ite, Yellowstone, Zion National Park, Mount Rushmore, Shenandoah National Park, the Blue Ridge Parkway, and Cape Hatteras National Seashore, but I have worked so many more that I have never seen. Now because of National Parks on the Air, I know of them and want to explore them in person since I have worked them on the radio!

But chasing parks is only half the story because there would be no parks on the air without the activators! On April 28th, Chuck KK4TKJ, Donna KM4FMW, and I had the pleasure of activating Kennesaw Mountain National Battlefield Park. It was my first activation and was a total blast. When we arrived at the park, we stopped by the visitor center and then explored the park for a little while before starting our activation. I enjoyed seeing the park as it was my first time visiting. Then we drove up to the top of Kennesaw Mountain to operate! We started out on 40 meters with me calling and Chuck logging and made over 20 QSO's. Then we switched to 20 meters for the rest of our activation. In no time at all we had a pileup, the biggest I have had to date as an operator. It was so much fun working through the pileup, knowing that all these hams wanted to work me primarily because I was activating a park unit! By the end of our activation we'd logged over 65 QSO's and, most importantly, had a terrific time!

National Parks on the Air is fun and challenging, a wonderful way to learn new things while chasing or activating park units. I know one of the reasons why my HF experiences have been so fantastic is because of National Parks on the Air. Whether chasing parks or activating them, I eagerly await the adventures National Parks on the Air will bring me the rest of this year and beyond!



Remembering KG4VTF (sk)

Fred J. "Murph" Murphy, a retired Gwinnett County Policeman, age 84, of Buford, GA passed away on Tuesday, May 31, 2016. He was preceded in death by his wife, Mary Ann Murphy. Mr. Murphy was born October 5, 1931 in Suffolk County, Massachusetts. He was a graduate of Southeast Boston High School. He went into the Army at age 15 years, was in the 82nd Airborne Rangers Division and was sergeant in the Korean War with decorated honors. He was a retired sergeant from Gwinnett County Police Department with over twenty-six years of service. He also volunteered at North Gwinnett High School in Suwanee with the band, wrestling, football team and the Athletic Association. He volunteered with the D.N.R. (Department of Natural Resources) and taught fishing to special needs children and senior adults. He was a member of the Ham Radio Association. Mr. Murphy requested to be cremated with no formal service. In lieu of flowers, donations may be made to the Gwinnett Police Foundation, P.O. Box 602, Lawrenceville, GA 30046 in memory of Fred "Murph" Murphy.

To express condolences, please sign our online guest book at www.flaniganfuneralhome.com. Arrangements by: Junior E. Flanigan of Flanigan Funeral Home and Crematory, Buford, GA (770) 932-1133.

FRED J. "MURPH" MURPHY

1931 - 2016 ♥ Obituary ➤ Condolences



Oct. 5, 1931-May 31, 2016

Fred J. "Murph" Murphy, a retired Gwinnett County policeman, age 84, of Buford, Ga., passed away on Tuesday, May 31, 2016. He was preceded in death by his wife, Mary Ann Murphy.

Courtesy of Flanigan Funeral Home and Crematory [Ed]

Comments by our members:

I will truly miss this guy. We had become good friends. I have been to his home many times, to work on antennas, to help him program his radios, to fix his computers or adjust the font size so he could read the screen. He checked into my Rag Chewers net almost every time I was net control station. I can't express in words the feelings of loss. I will expect him to log into the net and he won't be there. So long, Murph - KG4VTF Silent Key
Ray—N4GYN

Ah bummer! I remember him coming over to my shack so I could program a radio for him. Very, very nice guy and will be dearly missed. Thoughts and prayers with the family.
Scott—KD4YDD

Fred was a character. He came to our place a few times for radio help. Whenever you'd ask him how he was doing he'd say something like, "I'm old and ugly, but other than that I guess I'm doin' alright." He had a rough time the last few years. He will be missed. 73,
Kyle—W4KDA

Fred will be missed by many for sure, I only met him once in person but talked to him several times on the 72 Chew when Ray was Net Control. In fact Fred and I shared a funny at Rays expense a couple of weeks back. I will miss him. 73 Fred KG4VTF
Phil—N4LNE

For years he would attend breakfast at the Corral on Saturdays until. I missed him checking in to the Gars Net this past Monday, for many years he has for some unknown reason has always checked into to Gars Net right after I check in. When talking to his daughter on Tuesday I told her I had a feeling something was not right, Fred did not check into the Net after I checked in. Yes, Ole Fred will be for ever missed. 73 Ole Buddy Fred
Doug—KB6RRX

SOTA - Special Events

For some chasers and activators, ordinary SOTA isn't enough. (I know... Tough to believe!) There are many special events which are related to or impact SOTA. Here are some of them.

Annual North America SOTA Events

- **January: NA SOTA Winter Activity Weekend + ARRL Jan VHF Contest**

Each winter, NA SOTA holds a Winter Activity Weekend. This is a weekend when we try to get as many activators out as possible. It is sometimes combined with the ARRL VHF contest. This can be a great opportunity for Technician chasers to chase and for Technician activators to score some summit-to-summit (S2S) points.

- **April: NA SOTA Spring Activity Weekend**

Each spring, NA SOTA holds a Spring Activity Weekend. This is a weekend when we try to get as many activators out as possible. It is a great opportunity to collect *many* chaser points and a great chance for activators to score summit-to-summit (S2S) points.

- **April: QRPTTF**

"QRPTTF is an annual operating event to encourage QRPers and SOTA stations to get out of the house and operate portable "from the field," and of course, have fun." Chasers can operate picnic-portable. <http://www.zianet.com/grp/>

- **June: NA SOTA Summer Activity Weekend**

Each summer, NA SOTA holds a Summer Activity Weekend. This is a weekend when we try to get as many activators out as possible. It is sometimes combined with the ARRL VHF contest. This can be a great opportunity for Technician chasers to chase and for Technician activators to score some summit-to-summit (S2S) points.

- **June: Atlanta SOTA Seminar**

Each summer, I (K4KPK) host an online, interactive seminar one evening for new activators and chasers. The activators head out for a joint activation of a north Georgia summit on a following weekend.

- **August (first weekend): Colorado 14er Event and Rocky Mountain Rendezvous**

Announced in May via www.ham14er.org. This event focuses on the 54 summits above 14,000 feet in Colorado. (Not all of the 14ers qualify as SOTA summits.) Beginning in 2012, SOTA Goats began joint activations on this weekend. Since that time, way too many activators have achieved Goat status to get them all in one place at one time. Each year since, the Rocky Mountain Rendezvous has been an unplanned, unscheduled meet-up of SOTA activators concurrent with the 14er event.

- **September: NA SOTA Fall Activity Weekend + ARRL Sept VHF Contest**

Each fall, NA SOTA holds a Fall Activity Weekend. This is a weekend when we try to get as many activators out as possible. It is sometimes combined with the ARRL VHF contest. This can be a great opportunity for Technician chasers to chase and for Technician activators to score some summit-to-summit (S2S) points.

Notes:

- "NA" means "North America."
- All of these events are announced on the NASOTA mailing list.
- The timeline for some of these events can vary by several weeks from one year to the next

(Continued on page 11)

SOTA - Special Events

(Continued from page 10)

Other Special Events

- **NPOTA**

In 2016, the ARRL is sponsoring National Parks On the Air. "Hams from across the country will activate NPS units, promote the National Park Service and showcase Amateur Radio to the public." Many SOTA summits lie within NPOTA sites. You can score a NPOTA activation and a SOTA activation at the same time. For more information, see <http://www.arrl.org/NPOTA>.

- **ARRL Field Day**

ARRL Field Day is a natural opportunity to combine an event with SOTA. The goal of Field Day is, "To work as many stations as possible on any and all amateur bands... and to learn to operate in abnormal situations in less than optimal conditions." Just set up a qualifying Field Day station on a SOTA summit and go to town as an activator. For more information, see <http://www.arrl.org/field-day>.

- **Winter Bonus Shoulder Days**

This is not an 'event' per se, but a special opportunity. SOTA offers 3 winter bonus points for many summits. Dates vary by geography. Many areas set their bonus period from sometime in December through sometime in March. The winter bonus is intended to encourage activity when the weather is discouraging. For some summits, getting there in mid-winter can be almost impossible. However, the first and last couple of weeks of the winter bonus offer an opportunity to score extra points, so some activators/chasers make an extra effort in these weeks.

Wrap-up

- Be sure to subscribe to the NA SOTA mailing list at <https://groups.yahoo.com/neo/groups/nasota/info>, in order to get the dates each year.
- If you have a topic you'd like to see addressed in a future column, please send me an email. I'm running out of ideas for columns.

See you on the summits!

73 DE K4KPK / *Kevin*

Where can I find out more?

K4KPK's site: <http://k4kpk.com/content/sota-menu>

Email me (K4KPK). My email address is available via <http://www.qrz.com/db/K4KPK>.

Bio

K4KPK, Kevin Kleinfelter is Georgia's first SOTA Mountain Goat. He has completed more than 175 activations.

This story is Copyright 2016 Kevin P. Kleinfelter. A non-exclusive right to redistribute in electronic or printed form is granted to Amateur Radio clubs operating in the metro Atlanta area. All other rights reserved.

The Dayton Codebreakers

Joseph Desch & The Bombe

It began in 1918 when an eleven year old boy by the name of Joseph Desch first saw a crystal radio set in a store. He later recalled that "right then and there I knew what I wanted to do with my life."

Joseph's daughter, Deborah Anderson, says her father passed his first Amateur Radio license exam in 1926 and spoke fondly of evenings when he would repair radios for fellow students at the University of Dayton.

"Not only had he gained the skill necessary for building and repairing radios, but long before his graduation in 1929 with a degree in Electrical Engineering, he had begun experimenting at home, using various gasses and metal filaments in vacuum tubes blown in his basement laboratory." says Debbie.

After working for General Motors Radio and Frigidaire, Joseph was hired in 1938 to work for the National Cash Register Company in Dayton to begin the Electrical Research Laboratory.

"The move to NCR changed my father's life, allowing him to capitalize on his love of electronics and research."

He began to experiment on ways to develop an electronic counter. A contract was signed with M.I.T. Labs to develop a 'Rapid Arithmetical Selector'.

"In addition, in the summer of 1940 the National Defense Research Committee had requested that the NCR Laboratory develop electronic defense equipment." says Debbie. "The objective was a counter, operable at one million counts per second. In short, he and Bob Mumma, who had joined him at NCR, were quickly establishing the Electrical Research Laboratory as a pioneer in electrical computation."

In 1941 their research drew the attention of the Navy in its search for a company to accept Defense contracts.

"Their initial contract grew into the Naval Computing Machine Laboratory, which opened at NCR on March 9, 1942. The facility, under the command of Captain Ralph Meader, with Joseph Desch as Research Director, was housed in Building 26 on Stewart Street."

Pressure was put on Joseph and his engineers to develop a code breaking machine. The German military was using a machine, called the ENIGMA, to encode secret messages. British cryptanalysts, using a machine called a 'Bombe' had been successful in decoding these messages at the beginning of WWII. However in February of 1942 a fourth rotor was added to the Naval Enigma, thereby rendering the British bombe almost useless.

The reading of these coded messages was very important to the war effort. By 1942 German Submarine U-boats sank more than 1,660 ships in the Atlantic. It was estimated that one in five Allied seamen's death were caused by U-boats. Fortunately, the U-boats would communicate with a base on shore to plan their attacks. Desch worked with British scientists to develop the first US code-breaking computer. Six times faster than its British counterpart, it enabled the Navy to decode the radio communications sent and received by the U-boats. This information was useful in helping the Allies both avoid and destroy U-boats.

Plans were made and in April 1943, the Waves began arriving in Dayton to help build the bombes as quickly as possible.

I have a LENGTHY account of "The Dayton Codebreakers" in pdf format ...

If you want to read this story, send me an eMail request OFF-LINE (please!) ... k8eab@arrl.net

and I will send this document ... it is a fascinating story if you have any interest in cryptography and U.S. code breaking efforts during WW-II ...

73 and Good DX!

Wey Walker - K8EAB

PS: Only one of the Bombes still exists ... it's locked behind glass at the NSA's museum ...

<http://www.cnet.com/pictures/the-crypto-machines-of-the-nsa-museum-photos/12/>

Beginners Corner

Come to Field Day!

I like when June comes around. One of my favorite events is the ARRL Field Day. Field Day is actually a weekend where hams get together, set up one or more stations off the electric grid and see how many other stations they can contact. Sometimes individuals will hook up a battery to their rig in the back yard and talk. Many hams will go to their local club and participate. It doesn't matter where you go to get active on Field Day. There are only two main rules. First try to stay off the electrical grid, but there are some hams who are still "plugged in". The second and most important rule is to HAVE FUN!

Why come to GARS for Field Day? First, many clubs operate 3A; that means they will have three stations set up and run on generator power. GARS operates 8A. We have eight (count 'em) stations!

Second is the fellowship with fellow ham operators. You will see many GARS members at our Field Day. You get to "pick their brains" to learn new things. If you are new, someone will be there to help you. (Don't be afraid to ASK for help.) You will see many different radios out there. You can try them out to see if a particular radio is one you would like to purchase. It doesn't matter if you are a Technician, General, or Extra, you will have a chance to get on the air on HF. I know of one individual who, on her first try on the radio, contacted a ham at the space center in Russia!

The third reason is the food. Hams love to eat. The dinner meal is especially good, if past experience counts.

Oh, and did I mention the FUN you will have at Field Day? Activities start at about 8 am at Harbins Park when the antennas go up and people set up their equipment. If you want to be awed by the efficient manner that HF antennas go up into high trees, come out early. They always need help, too. This is a great place to learn how to launch antennas.

GARS has a reception area, too. You can bring your non-ham friends or relatives and they can learn what Amateur Radio is all about. They can get on the air, also! If you are a new ham, a GOTA (Get on the Air) station will be set up for you and your guests. There

is a certain thrill about getting on the air and making your first contact. If you have never been on HF before, I believe it is an even greater thrill to make a contact that is a thousand miles away. Try doing that on VHF or UHF!

Six meters is considered the "magic band" because you never know what will happen there. Gars will have a six meter station set up.

Interested in satellite communication? Gars will have a satellite station set up as well.

So, plan to come out to Harbins Park on June 25th and 26th and stay as long as you can. We will be contacting stations for 24 hours, starting at 2:00 pm on Saturday, and right through until Sunday when we tear down. Yes, we can use help there, too. See you there!

73 de *David Harden*, KJ4CMY



GARS Membership Page

New GARS Members in May

Samuel Boyd (KM4SOO)
Mark Case (K5MTC)
Eugene Di Nardi (N3XKE)
Yubin Lin (KN4TVY)
Anthony Perales (KB2VJW)

New Members: 5

Total Members as of June 1, 2016
- 272-

**Join us for our weekly
 breakfast gathering at
 7:30 AM most Saturdays**

at

Golden Corral
2155 Riverside Parkway
Lawrenceville, GA 30043

([Directions](#))

**The following members are
 celebrating birthdays
 in June:**

HAPPY BIRTHDAY!!
From All of Us at GARS

John Ackermann (N8UR)
Harold Brown (KI4FPR)
Neil Cleveland (WB4OXY)
Hope Collier
John Davis (WB4QDX)
Jim Gaffney (K4YNA)
Ryan Girard (KG4WPB)
Sarah Harden (KK4WEM)
James Hinkle (AG4ON)
Robert Kimsey (KM4BHK)
Yubin Lin (KN4TVY)
Ralph Matchette (KE4IHD)
James Myers (KM4LWC)
Brian Page (N4TRB)
Robert Pence (KM4AAP)
Charles Roberts (K4HFO)
Ron Rogers (WW8RR)
Bill Van Duynhoven (KE4TVA)

GARS MEMBERSHIP

Your current GARS membership status is shown in the monthly newsletter e-mail towards the bottom of the message.

To become a GARS member, or to renew your GARS membership, please visit our website—<http://www.gars.org>

To make changes to your GARS membership (moved, new e-mail address, new phone number, etc.), please e-mail the Membership Committee - membership@gars.org

You can **renew or update** your Amateur Radio license information with the FCC at their website for free <http://wireless.fcc.gov/uls/index.htm?job=home>

To update your ARRL information, please visit their website - <http://www.arrl.org>

Membership Chair: Karen Albritton, KI4HPP
 Committee Members: Dave Bruse, W4DTR, Pam Meridy, WB1AKQ

Net Managers Corner

Monday Night 2 Meter “Want, Swap, Sell, and Information Net”

GARS NEEDS MEMBERS TO SERVE AS NET CONTROLLERS

GARS is a great Amateur Radio service club and we have the membership and awards to prove it. Our club is a very busy and active club and we use the Monday night net to get the information out to our members. Weekly participation is needed to make our net function well. There is only a small group of very dedicated people that make the net happen each week, and we need more members to volunteer to serve as Net Control Stations (NCS) on a rotating basis.

Out of almost 300 members, there are only twelve primary people who serve as NCS for the GARS net every Monday night. In no particular order, they are:

Norm - WA4ZXV	Kyle - W4KDA	Mitch - N0DIM
Hal - W4IGE	Don - KW4AL	Ray - N4GYN
Sandy - KJ4DRO	John - WB4QDX	Bill KK4AUA
Kevin - KK4WOG	Chuck - KK4TKJ	Charles - N4CEA

As GARS Net Manager (Chuck KK4TKJ), I need 30 people to fill NCS positions. I do plan to post the schedule months in advance. Any conditions will be accommodated that you, as a rotating NCS, need to place on the scheduling of your duties. If your plans change, I can make adjustments for the schedule to work, and I will make those changes happen as soon as I am notified of a problem. As Net Manager, I also send out reminders each week to let the NCS scheduled know he or she is NCS for the next Monday night net. In short, serving as a rotating NCS is a small duty but a great contribution to the club. The “Want, Swap, Sell Information Net” begins promptly at 19:30 every Monday night and runs about 45 minutes. As a scheduled NCS, you will request the assistance of a volunteer alternate NCS each time you have Net Control. Your simple duties will be to tune in to the GARS repeater, read the script, take a few notes and forward the information to me for record keeping.

Please lend a hand and contact me at KK4TKJ@arrl.net. Sign up to help support the effort that makes GARS the great club that it is.

73 and see you on the Nets!

Chuck McCord. KK4TKJ Net Manager



**Don't miss the “KNOW IT ALL” Net
Wednesday nights, 8:30-9:30 pm**



We have moved to a new format. We begin with current events and announcements. Then we Introduce New Technology. Then we have check-ins and general discussion. Post net is Rag Chew format.

Jeff—AB4HF

Everyone is having great fun on this net! Come join us and become a “KNOW IT ALL”.

TIME: 8:30 every Wednesday evening on the GARS repeater - 2m 147.075 + PL 82.5

ARRL CONTESTING INFO

From ARRL Contest Calendar

>>>> NOTE: For more information click the links <<<<

June 2016

11-13 [June VHF](#)
18 [Kids Day](#)
25-26 [Field Day](#)

July 2016

9-10 [IARU HF World Championship](#)

August 2016

6-7 [August UHF](#)
20-21 [10 GHz & Up - Round 1](#)
21 [Rookie Roundup - RTTY](#)

September 2016

10-12 [September VHF](#)
17-19 [10 GHz & Up - Round 2](#)
24-25 [EME - 2.3 GHz & Up](#)

October 2016

17-21 [School Club Roundup](#)
22-23 [EME - 50 to 1296 MHz](#)

November 2016

5-7 [Nov. Sweepstakes - CW](#)
19-21 [Nov. Sweepstakes - Phone](#)
19-20 [EME - 50 to 1296 MHz](#)

December 2016

2-4 [160 Meter](#)
10-11 [10 Meter](#)
18 [Rookie Roundup-CW](#)



HAMFEST CALENDAR

Southeast US

06/04/2016 | [Georgia Section Convention \(Atlanta Hamfest\)](#)

Location: Marietta, GA

Type: ARRL Convention

Sponsor: Atlanta Radio Club (W4DOC) & Kennehoochee Amateur Radio Club (W4BTI)

Website: <http://www.atlantahamfest.com>

10/15/2016 | [Al Brock Memorial Hamfest/Tailgate](#)

Location: Rome, GA

Type: ARRL Hamfest

Sponsor: Northwest Georgia Amateur Radio Club

Website: <http://w4vo.org>

10/15/2016 | [Coastal ARS Savannah Swapmeet](#)

Location: Savannah, GA

Type: ARRL Hamfest

Sponsor: Coastal Amateur Radio Society

Website: http://coastalamateurradiosociety.net/wpW4LHSblog/?page_id=383

11/05/2016 | [Georgia State Convention \(Stone Mountain Hamfest\)](#)

Location: Lawrenceville, GA

Type: ARRL Convention

Sponsor: Alford Memorial Radio Club

Website: <http://www.stonemountainhamfest.com>



BSA Venture Crew 73 Wants You!

IF YOU are between 14 and 21 years old, enjoy outdoor activities, and have an interest in radio technology, **Venture Crew 73 is for you.**

- Venture Crews are part of the Boy Scouts of America.
- *Venture crew 73 is chartered by the Gwinnett Amateur Radio Society.*
- Venture crew 73 is coed.
- *Meetings are on the second Tuesday of the month, 7:00 pm, at EAA 690 Hangar at:
Briscoe Field - Sports Aviation Complex
Hangar 1, 690 Airport Road
Lawrenceville, GA 30045*
- Crew 73 is a youth-run organization, which means that our Crew President and other youth plan the Crew's outings and activities each month.

We enjoy:

- ◇ *Camping*
- ◇ *Hiking*
- ◇ *Horseback Riding*
- ◇ *Shooting Sports*

- Crew activities usually mix high adventure and the use of Amateur Radio.
- For more information, attend our next meeting or contact:

Steve Back, WB2OGY

Venture Crew 73 Committee Chairman

Phone: 770-712-9069

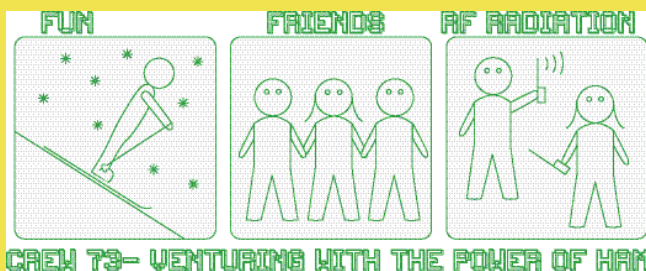
E-mail: committeechair@venturecrew73.org

Ryan Girard, KG4WPB

Venture Crew 73 Advisor

Phone: 770-508-3650

E-mail: rgirard@knights.ucf.edu



G A R S Officers and Committee Chairs

Rick Cobb, N4XYX
President



Mike Weathers, ND4V
Vice President



Nick Doemland, AB4CQ
Secretary



Sid Weaver, N4NQ
Treasurer



Nick Nikley, N0NCQ
Program Manager



Karen Albritton, KI4HPP
Membership Chair



Dave Bruse, W4DTR
Ham Exam Team Leader



David Adcock, KA4KKF
Webmaster, Field Day Chair



Dorothy Jubon, N2DLJ
Public Information Officer



Ralph Pickwick, KJ4CNC
TechFest Chair, Apparel Mgr, Education Chair



Ray Bailey, N4GYN
GARzette Editor



Jeff Cutchins, AB4HF
Multimedia Chair



John Ackermann, N8UR
W4GR Trustee



Eddie Foust, WD4JEM
Repeater Chair



Mike Weathers, ND4V
WAS-Checker, Historian



Chuck McCord, KK4TKJ
Net Manager,



Mike Swiderski, K4HBI
Technical Advisor



Mitch Matteau, N0DIM
Winter Field Day



Pam Meridy, WB1AKQ
QSO Party and VHF Contest Chair



DIRECTORS

Kyle Albritton, W4KDA



David Adcock, KA4KKF



Norm Schklar, WA4ZXV



EXTRA! EXTRA!

JULY MEETING

Remote Control Your Station

By N4GYN, Ray Bailey

Repeater Status

147.075 operational in Snellville
147.255 operation in Snellville
444.525 operational in Snellville
Link remote receivers being added
442.100 operational at Goshen Springs
145.590 operational at Bogan Road
6M currently down



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GARS Recurring Calendar

- ◆ Monthly club meeting is the 2nd Tuesday of the month at 7 pm
- ◆ Every Monday at 7:30 pm: GARS Want, Swap, Sell, and Information Net +
8:30 pm: ARES Training on the GARS 147.075 MHz repeater
- ◆ Every Wednesday at 8:30 pm: GARS Know It All Net on the GARS 147.075 MHz repeater
- ◆ Every Saturday at 7:30 am: GARS Weekly Breakfast, Golden Corral Restaurant, Riverside Drive, Lawrenceville
- ◆ Second Sunday at 2:00 pm: GARS Ham Exam Session, Fire Station #24
2735 Mall of Georgia Blvd
Buford, GA 30519

APRIL MEETING MINUTES

Rick, N4YXX, called the meeting to order at 7:00pm

First time visitors were welcomed and roundtable introductions were made. Ticket upgrades were recognized:

Attendance: 77

General Business

Sid, N4NQ, gave the treasure's report. Voting took place and the treasure's report was approved

Karen, KI4HPP, gave the membership report: GARS has 280 members

Nick, N0NCQ, Program Manager announced that the June meeting will be the Ice Cream Social at Harbins Park.

Ralph, KJ4CNC, announced that Field day shirts are on sale at meeting tonight and online thru 17th. They are \$10 for sizes S-XL, \$12 for size XXL and an additional \$2 for a pocket.

Rick, N4XYY, reminded us that Ray, N4GYN, will retire as Garzette editor and we need new Garzette Editor.

Event Recaps & General Updates

2016 North GA fox hunt (Kyle W4KDA)

Kyle, 16 teams 2 classes

Doppler class was won by North Fulton

Classic class won by Alford N0NCQ

Presenting certificates at club meetings

National Parks On Air (Bill WB2RIS)

Chattahoochee National Recreation Area

20 people came to the event

Almost 600 QSOs were made

Pam, 1AKQ Dave (W4DTR) and Ruth (KM4LAO) helped with the event

David, KA4KKF managed antennas

Bill WB4WTN and Rick N4XYY provided radios for the event

Mike, ND4V, won award for most CW contacts

Bill, WB4WTN, won award for most Phone contacts

Ruth, KM4LAO, won award for most contacts by a rookie

Blue Ridge Parkway Activation (Mike KK4KHS)

PK01 will be activated next week

May Madness (Jeff AB4HF)

May Madness is running May 6-15

Upcoming Events

Satellites in the Park – 5/21 11:30am-4:00pm at Bogan Park

Memorial Day Parade - 5/30

Atlanta Hamfest – 6/4

Program

* May program will feature David, KA4KKF reviewing “Field Day Preparation”

* Earl, AF4FG will be talking about the “Dacula Memorial Day Parade”

* Rick, N4XYY and Nick, N0NCQ presented Barry Kane, W4GTA with a certification of appreciation for his presentation about “Possible LED Problems in the shack”.

Meeting concluded around 9:09pm

Nick, AB4CQ, Secretary

GARS Calendar of Events for 2016

- GARS Breakfast - Every Saturday morning
- GARS Ham Exam Session - 2nd Sunday every month
- TechFest Feb (2017)
- Georgia QSO Party April 9 - 10
- North metro area Fox Hunt April
- May Madness May 6 - 15
- Satellites in the Park May 21
- Memorial Day Parade May 30
- ARC/KARC Hamfest 1st Saturday of June
- Field Day June 25 - 26
- W4GR Spcl Event - 40th Anniv. Summer-TBA
- Maker Faire 1st Weekend of October
- Sept VHF/UHF Contest Sept 10 - 12
- Stone Mt. Hamfest November 5 & 6
- JOTA - 3rd Weekend of ... October 15

Pics of Ruth Willet, KM4LAO and her mom Sharon Willet, KM4TVU. Ruth passed her Amateur Extra, and Sharon passed her Technician May 8, 2016. Ruth was first licensed on June 6th 2015 as a Technician. She went from zero to Amateur Extra in under one year. Quite an accomplishment!



GARS CALENDAR OF EVENTS FOR JUNE 2016

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
			1 8:30 - 9:30 pm GARS Know-It-All Net	2	3	4 7:30 - 9:30 am Breakfast at Golden Corral
5	6 7:30 - 8:00 pm GARS 2m Net	7 6:30 pm - 8:00 pm GARS Exec Meeting	8 8:30 - 9:30 pm GARS Know-It-All Net	9	10	11 7:30 - 9:30 am Breakfast at Golden Corral Riverside Drive
12 GARS Monthly Exam Session 2-3pm	13 7:30 - 8:00 pm GARS 2m Net	14 7:00pm -9:00pm GARS Meeting at Harbins Park	15 8:30 - 9:30 pm GARS Know-It-All Net	16	17	18 7:30 - 9:30 am Breakfast at Golden Corral Riverside Drive
19	20 7:30 - 8:00 pm GARS 2m Net	21	22 8:30 - 9:30 pm GARS Know-It-All Net	23	24	25 FIELD DAY 2014
26 FIELD DAY 2014	27 7:30 - 8:00 pm GARS 2m Net	28	29	30		

Metro Testing Sessions	Ham Exam Results	Metro Club Meetings
<p><i>GARS publishes Metro Atlanta VE exam schedules as a service and is not responsible for errors or changes. Call and confirm schedules before going. All sessions are walk-in. Take copies of current license and certificate of completed elements with you to all sessions. Find additional sessions online at http://www.arrl-ga.org.</i></p> <p>First Sunday, ODD Months 2 pm (Jan, Mar, May, Jul, Sep, & Nov) VEC: WCARS Braselton Public Utility Building 4986 Highway 53, Braselton, GA Roger Gibson, WB4T (770) 271-4210 or (770) 712-9560 w4rlg@bellsouth.net</p> <p>First Sunday, EVEN Months 2 pm (Feb, Apr, Jun, Aug, Oct, Dec) VEC: WCARS Hall County EOC 470 Crescent Dr. Gainesville, Ga. Perry Roper, KO4RD (770) 536-3056</p> <p>Second Saturday 10:00 AM Alpharetta North Park, Adult Activities Center 13450 Cogburn Rd, Alpharetta, GA 30004 Ian Kahn, KM4IK E-mail: km4ik.ian@gmail.com</p> <p>Second Saturday, ODD Months VEC: ARRL 8:30 a.m. GMC Community Ctr 5325 Leon St. Stone Mountain, GA Frank Haynes, KV4SP (678) 467-3712</p> <p>Second Sunday VEC: W5YI 2 pm Fire Station #24 Mall of Georgia Boulevard Buford, GA 30519 Contact: Dave Bruse, W4DTR E-mail: exams@gars.org</p> <p>Third Saturday VEC: W5YI 2 pm (Except December) Lifeway Church 1654 Atlanta Highway #109 Steve Donellan, N5SMD (404) 520-0368 E-mail: n5smd@comcast.net</p> <p>(cont. next column)</p>	<p>The VE testing Session for May 8 was mostly successful. We had 7 persons tested.</p> <ul style="list-style-type: none"> • 2 are new Technicians • 2 upgraded to General • 2 upgraded to Amateur Extra • 1 failed to pass as a Technician <p>Thanks to the following VE's who made the testing session a success:</p> <p>Dave Bruse, W4DTR Don Bagby, KK4NJM Frank Haynes, KV4SP Donna McCord, KM4FMW Bill Cherepy, WB4WTN</p> <p><i>73, Chuck McCord, KK4TKJ,</i> Co-CVE</p> <p>GARS VE Team Leader E-mail: exams@gars.org</p> <p>GARS VE Website: http://groups.yahoo.com/group/GARS_VE_Team/</p> <p>Fourth Tuesday ARRL VEC 7 pm @ United Way Service Center 6279 Fairburn Rd., Douglasville Jessie Clower, KB4WFK (770) 942-6466</p> <p>Fourth Sunday 2:30 pm Georgia Tech VanLeer Elec. Building Rm. W218, 777 Atlantic Dr. See www.w4aql.com Alexander G. Carver (404) 894-2936 acarver@ece.gatech.edu</p>	<p>First Tuesday Kennehoochee ARC Downtown Marietta Fire Station #1, Training Room 112 Haynes Street Marietta, Georgia 30060 Meeting begins at 7:00pm Talk In 146.880(-)</p> <p>First Thursday Atlanta Radio Club Georgia Red Cross HQ 1955 Monroe Dr., Atlanta Meeting is at 7:30pm Talk In -146.820(-) N.E. Georgia ARC Commerce Public Library Meeting is at 6:30pm Talk In - 147.225(+) PL 123.0</p> <p>Second Monday Georgia Tech ARC Room W218 Van Leer Electrical Engineering Bldg. Georgia Tech Campus Meeting at 7:00pm</p> <p>Second Thursday Alford Memorial Radio Club Annistown Road Baptist Church Intersection of Annistown Rd & Spain Rd Stone Mountain Dinner at 6:00pm Meeting at 7:30pm Talk In - 146.760(-)</p> <p>Second Saturday North GA QRP Club Board Room of The Shepherd Center at 2020 Peachtree Rd, NW, Atlanta at 10:00 AM</p> <p>Third Tuesday North Fulton Amateur Radio League Alpharetta Recreation & Parks Dept Alpharetta Adult Activity Center 13450 Cogburn Road Alpharetta, GA 30004 meeting at 7:30pm Talk In - 145.47(-) For more, go to: http://www.gars.org/</p>

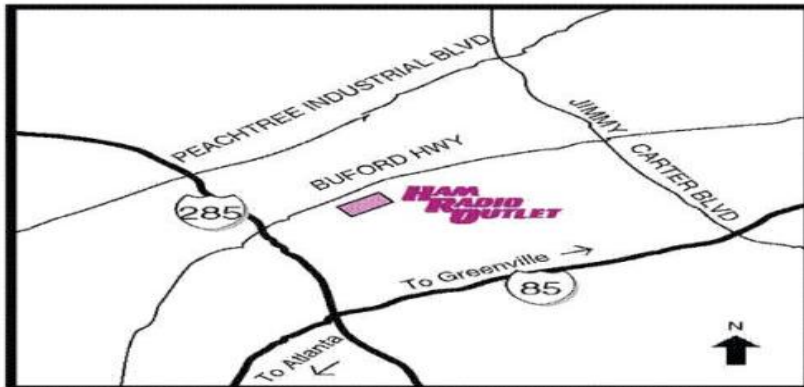
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